



CABI in Africa Partnerships and action

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Member Countries Regional Consultation: Africa
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Regional Heads



Dr Morris Akiri
Regional Director
CABI
Africa

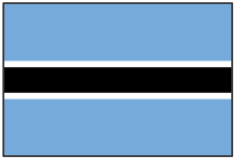


Dr Victor Attuquaye Clottey
Regional Representative
CABI
West Africa Centre



Dr Noah Phiri
Regional Representative
CABI
Southern Africa Centre

Membership: 16 member countries in Africa



Botswana



Burundi



Cote d'Ivoire



The Gambia



Ghana



Kenya



Nigeria



Malawi



Mauritius



Rwanda



South Africa



Sierra Leone



Tanzania



Uganda

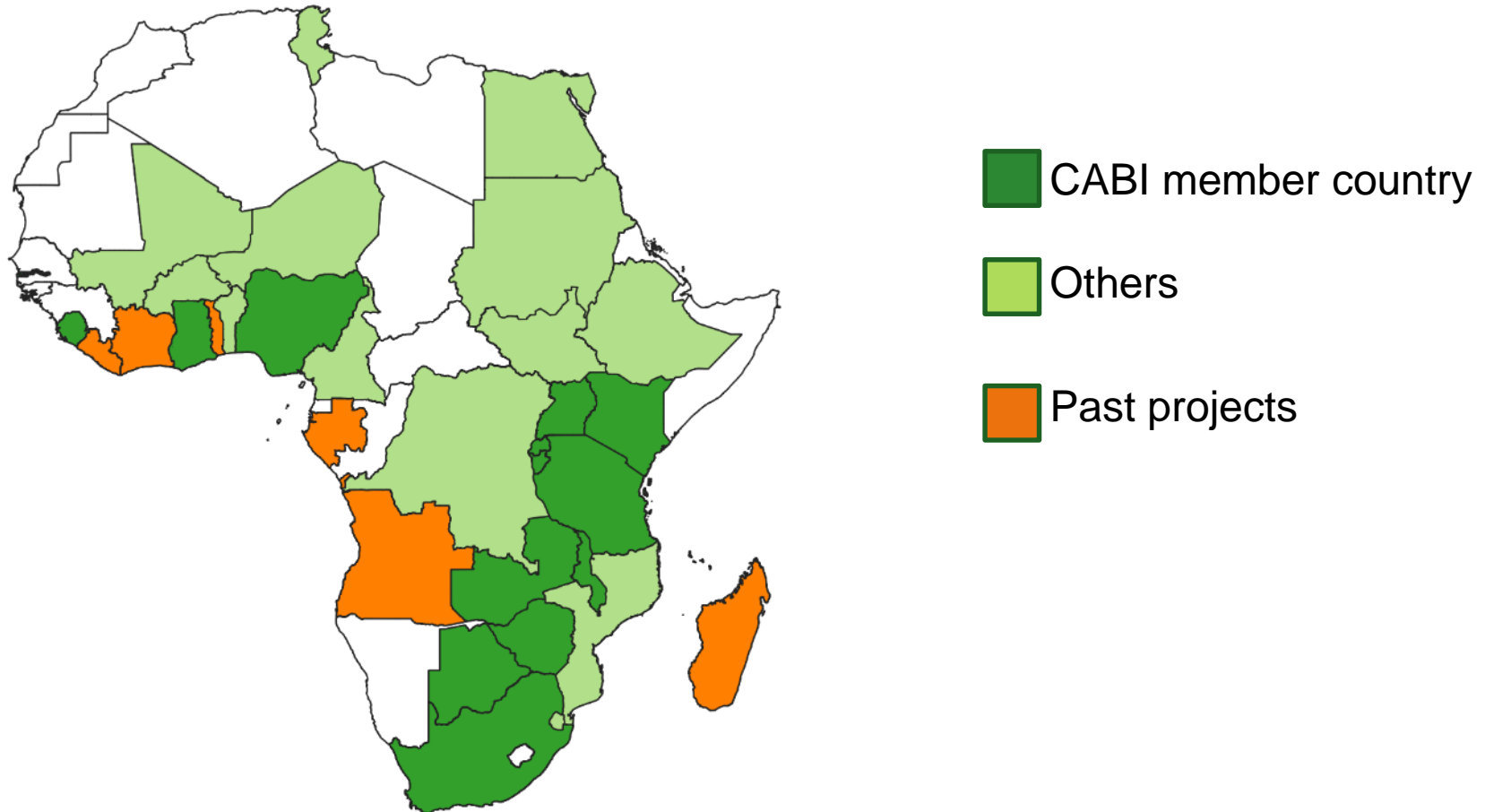


Zambia



Zimbabwe

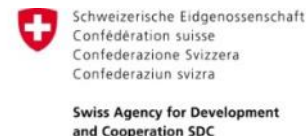
Where we work



Partnerships



Key partnerships in the region



- National implementing agencies of participating countries
- Other private sector, NGOs, CBOs

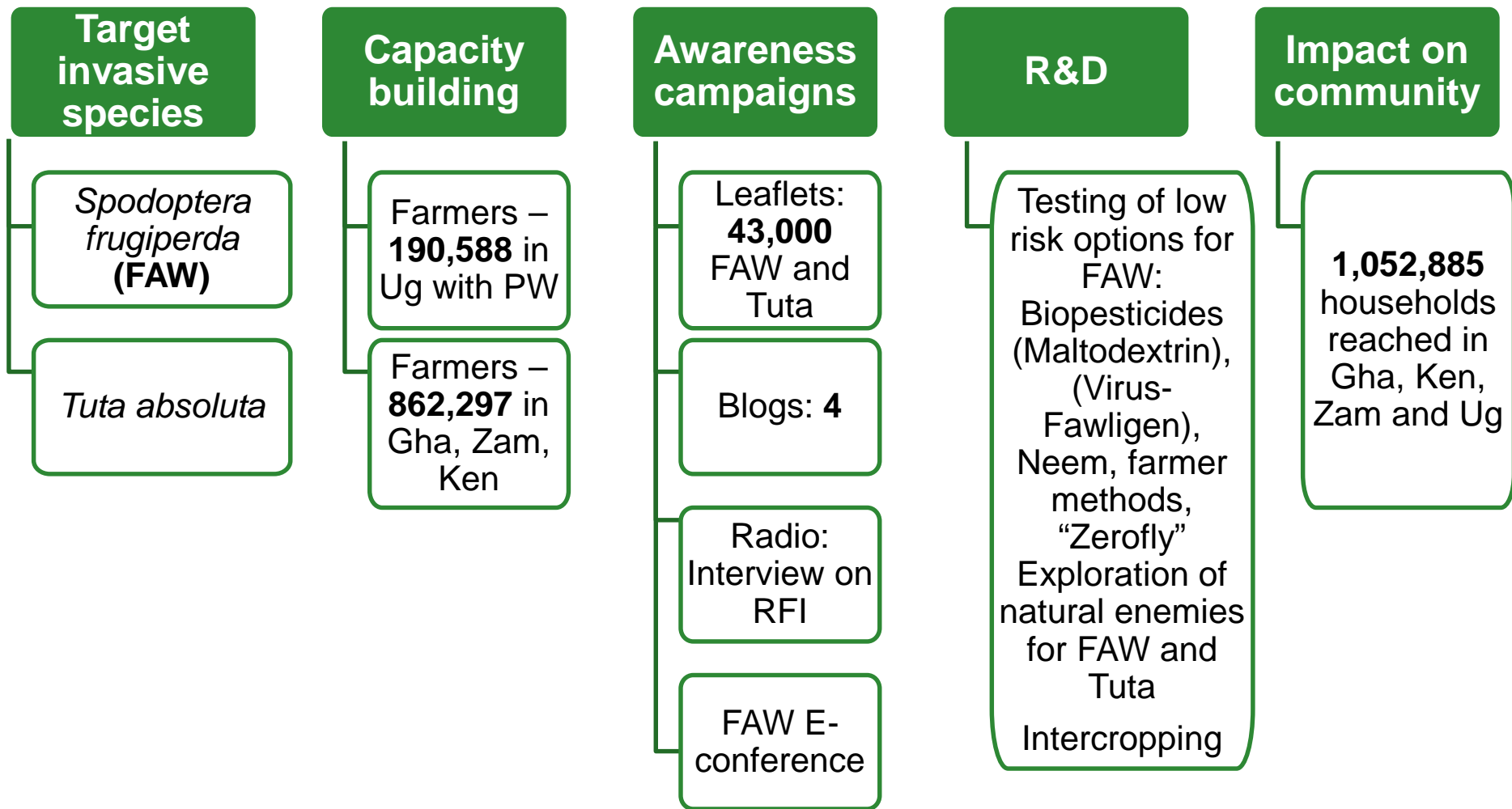


Building plant health systems - Plantwise

Country	Total plant doctors trained	Total plant clinics established	Total clinic queries	
			Male	Female
Burkina Faso	134	48	585	60
DRC	163	11	2,548	958
Ethiopia	437	107	1,218	76
Ghana	308	172	29,172	12,514
Kenya	425	240	34,539	23,304
Malawi	398	122	11,367	6,277
Mozambique	84	74	534	317
Rwanda	241	66	9,775	5,530
Sierra Leone	148	122	1,957	1,410
Uganda	695	191	5,673	2,203
Zambia	259	84	4,734	3,255
Total	3,292	1,237	102,102	55,904



Action on Invasives





Development communication

- Leveraging partnerships to support country priorities **e.g. Africa Soil Health Consortium (ASHC)** supports delivery of agricultural information campaigns
- Using multimedia approach
 - Print
 - Radio
 - Television
 - Mobile
 - SMS
 - Social media and messaging platforms
 - WhatsApp, Telegram, Twitter, Facebook



Digital development

- Established partnerships with Mobile Agric service providers:
 - Uganda - Hamwe, MTN, Airtel
 - Kenya - Precision Agriculture for Development, Safaricom
 - Zambia - mNutrition with MTN
- **Outputs:** Disseminated actionable plant health and agronomic information to:
 - >100,000 farmers in Uganda (mFarmer)
 - 150,000 farmers in Kenya (MoA-INFO service)
- **CABI Digital tools**
 - PestSmart
 - BioPesticide Portal
 - AgPortal



Microbial and Molecular Services

- Developed partnerships with UK institutions for purpose of joint business development
 - Writing joint proposals and hosting students on internships/study visits
- Initiated discussions with member countries to sign **Nagoya Protocol agreements on Best Practice and Benefit Sharing Compliance**
 - Ghana (signed)
 - Kenya & Zambia (on-going discussion)
 - Uganda (advised to use existing laws)
- Provide pest and disease identification service for member countries e.g. Fall Armyworm, MLND

Success stories



Success stories

- Impact study: monetary benefits of the Plantwise programme in Kenya: **>£1.5 million in 2017** with **benefit to cost ratio of 2.9:1** and an **internal rate of return of 54%**
 - More information
<https://www.plantwise.org/impact-brief/>
- Impact study: monetary benefits of the Plantwise programme
- Collaborating with USDA-APHIS to harmonise tools used by the NPPOs under the auspices of ECOWAS

Plant health

- Campaigns on **Integrated Soil Fertility Management** and **Good Agronomic Practices** worked with **>30 partners** (national & international) to reach **1,126,187 farmers** in 4 countries
- ~229,000 farmers (**20%**) of the farmers reached **applied at least one improved technology** in maize, common beans & soybean
- Developed **Fertiliser Optimisation Tool (FOT)** - available on google Playstore

Development Communication

Success stories



Promoting trade
and
market access

- CABI in partnership with other stakeholders helped **streamline inspection and export certification** as part of improved phytosanitary systems in Ghana
 - Resulted to **lifting of ban (2018) imposed in 2015** on export of selected vegetables due to interceptions
 - The ban made Ghana lose about US\$ 36 million from 2015 to 2017
 - Interceptions of harmful organisms on exports reduced from 330 in 2014 to only 4 in 2017 when the country entered into a probationary period of exports
- Baseline assessment tool has been developed which collects data and for the first time assesses the costs of trade due to SPS measures at border points (COMESA)

Success stories



This publication is a summary of an Evidence Note (*Fall Armyworm: Impacts and Implications for Africa*) published by CABI in October 2018, as part of its Action on Invasives programme. The full report is available at www.invasive-species.org/fawevidencenote2018

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Action on Invasives

- New evidence on **impacts of FAW** to inform policy makers produced
- New evidence on **impacts of Tuta absoluta** and **coping strategies** produced
- Government of Ghana policy; promoting increased use of biopesticides
- New national and international partnerships for FAW management e.g. **FAW International R4D Consortium**
- FAW tech prize with USAID, CABI tested prototypes for the US\$ 150K grand prize winners
- Draft NISSAP for Ghana developed

Success stories

Introduction, screening and release of biological control agents in Africa



Example: Biological control of *Opuntia stricta* in Laikipia County, Kenya



Going forward in Africa

Operational level:

- Enhance collaboration with other CABI centres
- Utilise existing partnerships/implementation of MoUs e.g. AU, ECOWAS, SADC, COMESA, Trade Mark East Africa
- Establish fully fledged laboratory to support molecular, pathology, entomology and invasives work
- Continue to invest and develop **human capital**
 - Social sciences, gender
 - Collaborative programmes with academia
- Harness existing CABI ICT and digital tools to support Agricultural Research through Youth Led Advisory and Extension for Development (YouLead) Initiatives



Think global, act local

Strategic level:

- Strengthen **partnership with member countries**, responding to member countries' needs and SDGs
- Enhance **South-South, North-South** Cooperation
- Further explore **Public Private Partnerships** considering vibrant market in the region
- Science strategy - collaborative research on emerging pests and diseases, food safety, nutrition sensitive agriculture, social studies etc.
- Utilise geospatial tools, data mining and predictive analytics to provide tailored agricultural advice and alerts to farmers at scale
- Expand CABI membership



We look forward to working together to set our work priorities for the next three years



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urakoze
kiitos
thank you

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